

# Bio 264 Lecture Schedule

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*January 7, 2016*

| Date      | Lecture Topic                            | Assignments Due                       |
|-----------|--|---------------------------------------|
| Tu Jan 19 | Introduction - Pen and Paper Tools       |                                       |
| Th Jan 21 | Rmarkdown basics - writing tools         |                                       |
| Tu Jan 26 | Rmarkdown basics - code chunks & scripts | Homework 1                            |
| Th Jan 28 | R data structures                        | Literature, outline for project due   |
| Tu Feb 2  | R control structures                     | Homework 2                            |
| Th Feb 4  | R functions and pseudocode               |                                       |
| Tu Feb 9  | EXAM I                                   |                                       |
| Th Feb 11 | R graphics, plotting functions           |                                       |
| Tu Feb 16 | Probability distributions                | Homework 3                            |
| Th Feb 18 | Stochastic processes                     | Individual meeting on project, coding |
| Tu Feb 23 | Exponential growth                       | Homework 4                            |
| Th Feb 25 | Modeling Density dependence              |                                       |
| Tu Mar 1  | TOWN MEETING DAY RECESS                  | Homework 5                            |
| Th Mar 3  | EXAM II                                  |                                       |
| Tu Mar 8  | SPRING BREAK                             |                                       |
| Th Mar 10 | SPRING BREAK                             |                                       |
| Tu Mar 15 | Two-species models                       | Homework 6                            |
| Th Mar 17 | guest lecture                            |                                       |
| Tu Mar 22 | Two-species models                       | Homework 7                            |
| Th Mar 24 | Statistics - contingency tables          |                                       |
| Tu Mar 29 | Statistics - regression, anova           | Homework 8                            |
| Th Mar 31 | ANOVA simulator                          |                                       |
| Tu Apr 5  | Regression simulator                     |                                       |
| Th Apr 7  | Markov Models                            |                                       |
| Tu Apr 12 | EXAM III                                 |                                       |
| Th Apr 14 | No class                                 |                                       |
| Tu Apr 19 | Research Presentations                   | 4:25 - ~ 8:00 pm (dinner)             |
| Th Apr 21 | Research Presentations                   | 4:25 - ~ 8:00 pm (dinner)             |
| Tu Apr 26 | No class                                 |                                       |
| Th Apr 28 | No class                                 |                                       |
| Tu May 3  | Final project paper & slideshow due      |                                       |